INTRA-PERICARDIAL DRUG DELIVERY DEVICE FOR ANGIOGENESIS

ABSTRACT

A catheter and a method for using the catheter for site specific delivery of agents to or collecting agents from biological spaces. The catheter includes an inner shaft longitudinally movable within and outer shaft, each shaft having at least one balloon and at least one lumen formed therein. The catheter prevents leaking through a membrane by sealing the tip passageway through the membrane with inflatable balloons on either side of the membrane. Further, the inflated balloons secure the position of the catheter relative to the biological membrane and biological space targeted for therapy or diagnosis.